



MARICOPA COUNTY AIR QUALITY DEPARTMENT TANK TRUCK LEAK CERTIFICATION CHECK LIST

CARGO TANK LEAK TEST DATE

NOTIFICATION DATE/TIME:

(NOT NECESSARY FOR TESTS DONE OUTSIDE MARICOPA COUNTY)

WE HEREBY CERTIFY THAT A LEAKAGE TEST WAS PERFORMED ON A CARGO TANK VESSEL PER MARICOPA COUNTY RULE 352 SECTION 302

OWNER:

PHONE:

ADDRESS:

MFG.'S SERIAL NO.:

CITY/STATE/ZIP:

UNIT NO.:

TEST SITE (CITY/STATE):

TANK CAPACITY:

DETERMINATION OF VAPOR TIGHTNESS OF CARGO TANK PER EPA REGULATION 40 CFR PART 60 APPENDIX A (METHOD 27)

PRE-TEST PROCEDURE (CHECK ✓)

- ☐ TRUCK/TRAILER PURGED OF GASOLINE VAPORS ☐ TO CONTROL DEVICE (MCAPC PERMIT # _____) OR ☐ PREVIOUS LOAD DIESEL
☐ TANK TRUCK/TRAILER IN SHADE MORE THAN ONE (1) HOUR ☐ TANK TRUCK/TRAILER GROUNDED AND ALL DOME COVERS OPENED AND CLOSED
☐ VAPOR HOSE (BELONGING TO UNIT) ATTACHED TO UNIT, TEST CAP ON VAPOR HOSE ☐ PRESSURE SOURCE ATTACHED TO VAPOR HOSE
☐ MANOMETER ATTACHED TO PRESSURE TAP

	START TIME	INITIAL INCHES H ₂ O	FINISH TIME	FINAL INCHES H ₂ O	TOTAL PRESSURE CHANGE	PASSED YES NO	
INITIAL TEST							

PRESSURE TEST :

1. OPEN SHUT OFF VALVE IN THE VAPOR RECOVERY HOSE CAP. SLOWLY PRESSURIZE THE TANK (OR FIRST COMPARTMENT) TO 18 INCHES H₂O. 2. CLOSE SHUT OFF VALVE, ALLOW PRESSURE IN TANK TO STABILIZE. ADJUST PRESSURE IF NECESSARY TO MAINTAIN 18 INCHES H₂O. 3. AT THE END OF (5) MINUTES **RECORD FINAL TIME/PRESSURE WHEN STABILIZED.** (ALLOWABLE PRESSURE DROP EQUAL TO 1 INCH TOTAL (½ INCH EACH SIDE OF MANOMETER). (REPEAT RUNS UNTIL TWO CONNECTIVES RUNS PASS)

	START TIME	INITIAL INCHES H ₂ O	FINISH TIME	FINAL INCHES H ₂ O	TOTAL PRESSURE CHANGE	PASSED YES NO	
RUN 1							
RUN 2							

VAPOR VALVE LOSS TEST:

1. PRESSURIZE AND STABILIZE TANK TO 18 INCHES H₂O. CLOSE INTERNAL VAPOR VALVES IN TANK (ISOLATING THE VAPOR RETURN LINE AND MANIFOLD). 2. OPEN THE SHUT OFF VALVE AND RELIEVE THE PRESSURE IN THE VAPOR RETURN LINE AND MANIFOLD TO ATMOSPHERIC PRESSURE 3. CLOSE THE SHUT OFF VALVE AND **RECORD TIME AND PRESSURE.** 4. AFTER (5) MINUTES **RECORD THE PRESSURE.** (ALLOWABLE PRESSURE INCREASE 5 INCHES TOTAL (2½ INCHES EACH SIDE OF MANOMETER). (REPEAT RUNS UNTIL TWO CONNECTIVES RUNS PASS)

	TANK PRESSURE INCHES H ₂ O	START TIME	FINISH TIME	VAPOR RETURN LINE INITIAL PRESSURE INCHES H ₂ O	VAPOR RETURN LINE FINAL PRESSURE INCHES H ₂ O	TOTAL PRESSURE CHANGE	PASSED YES NO	
RUN 1								

VACUUM TEST:

1. CONNECT THE VACUUM SOURCE TO THE PRESSURE/VACUUM SUPPLY HOSE. 2. SLOWLY EVACUATE THE TANK (OR FIRST COMPARTMENT) TO 6 INCHES H₂O. 3. CLOSE THE SHUT OFF VALVE, ALLOW THE PRESSURE TO STABILIZE, ADJUST THE PRESSURE IF NECESSARY TO MAINTAIN 6 INCHES H₂O. **RECORD INITIAL TIME/PRESSURE WHEN STABILIZED.** 4. AT THE END OF (5) MINUTES, RECORD FINAL TIME/PRESSURE. (ALLOWABLE PRESSURE DROP EQUAL TO 1 INCH (½ INCH EACH SIDE OF MANOMETER). (REPEAT RUNS UNTIL TWO CONNECTIVES RUNS PASS)

	START TIME	INITIAL INCHES H ₂ O	FINISH TIME	FINAL INCHES H ₂ O	TOTAL PRESSURE CHANGE	PASSED YES NO	
RUN 1							
RUN 2							

LIST DEFECTS AND REPAIRS NECESSARY TO PASS VAPOR TIGHTNESS TEST: (LIST REPAIRS DONE PRIOR TO TESTING)☐ SEALS/GASKETS☐ INTERNAL VALVES☐ VENTS☐ WELDING☐ VAPOR RECOVERY☐ DOME☐ GENERAL MAINTENANCE☐ PRESSURE GAUGE☐ OTHER (SPECIFY REPAIR)

TEST PERFORMED BY:

TESTED BY:

DATE:

NEXT LEAKAGE TEST IS DUE ON:

SIGNATURE OF PERSON CONDUCTING THE TEST

THIS TEST IS TO BE COMPLETED ON EACH TANK TRUCK/TRAILER TESTED AND SUBMITTED WITH THE APPLICATION FOR AIR POLLUTION VAPOR RECOVERY CERTIFICATION FORM.

